

## 2021 Facility EMS Annual Report Data (DOE) - DOE-DOE/M&P/LM-Office of Legacy Management

### EMS/Site Information

Agency / Department	DOE
Sub-Agency/ Bureau/ Service/ Command	DOE/M&P/LM
Site/ Organization/ EMS Name	Office of Legacy Management
Description / Scope	<p>The Office of Legacy Management (LM) has a mission to fulfill DOE's post-closure responsibilities at sites and ensures the protection of human health and the environment. In achieving the mission, LM manages 102 sites in 35 states and the territory of Puerto Rico where DOE's mission has ended and active environmental cleanup has been completed. These activities include environmental protection, information management, land management, and community engagement. In addition to the post-closure site responsibilities, LM also conducts the following activities: maintenance of five radiometric calibration facilities; managing the DOE Uranium Leasing Program in southwestern Colorado; conducting verification and validation (V&amp;V) and reclamation activities at the Defense-Related Uranium Mines Program at over 4000 sites, mostly in the west and southwest U.S.; managing the Applied Studies and Technology Program; managing the LM Business Center as a repository for the storage of federal records, and supporting LM programmatic activities at 10 occupied office locations in eight states. The LM EMS is a joint program that applies to all LM federal personnel, the prime Legacy Management Support contractor employees, and several other administrative and security support contractor employees; it involves approximately 544 employees, as of the end of FY 2021, and all are hereafter included as LM. The EMS also flows down through all contracts and subcontracts. Any work activity that could impact the environment and is within the area of influence of LM employees is considered to be within the scope of the EMS. LM's EMS incorporates environmental considerations for each location into all aspects of the LM mission. Most of LM's activities are captured for reporting under our EMS but some are captured under the EMS for the Forrestal facility. The EMS helps LM maximize beneficial use of finite resources; minimize wastes and adverse environmental impacts; and meet or exceed compliance with applicable environmental, public health, and resource protection laws, regulations, and DOE requirements.</p>
Point of Contact	Tracy A. Ribeiro
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ISO 14001 Registration	No
Date of Most Recent ISO Registration	
Other EMS Recognition in FY21	
Comments	

### Section 1: EMS Performance Metrics

The metrics below represent EMS metric areas that will provide the basis for an evaluation of the performance of the EMS. Note that not all essential EMS elements are included in this reporting form. For each EMS metric area listed, reporting sites will select the applicable performance level that represents the status of the EMS with "A" being the highest score and "D" being the lowest score. The responses should reflect FY2020.

Click the "?" for performance criteria.	
1. Environmental Aspects	A
2. Environmental Objectives	A
3. Operational Controls	A
4. Compliance with Regulatory Requirements/ Corrective Actions	A
5. EMS/EO Goals Integration	A

## Section 2: EMS/EO Goals Integration Worksheet

These goal areas may be covered by facilities or headquarters offices. Review and specify if the following E.O. 13834 goals are applicable and addressed in the EMS.

The resulting calculation (at the bottom of the worksheet) is used to determine the A, B, C or D score for EMS Performance Metric Area no. 5

### Goal 1 - Energy Reduction

#### Goal Objectives

Achieve and maintain annual reductions in building energy use and implement energy efficiency measures that reduce costs

Metric:

- British Thermal Units (Btu) used per gross square foot (GSF) of Federal building space (Btu/GSF)

Goal 1 Applicable?	Yes
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Goal 1 Addressed?	Yes
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Reason for Goal 1 Not Applicable	
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### Goal 2 - Renewable Energy

#### Goal Objectives

Meet statutory requirements relating to the consumption of renewable energy and electricity

Consume a minimum percentage of renewable electricity

Metric:

- Renewable electricity used (as a percentage of total electricity use)

Goal 2 Applicable?	Yes
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Goal 2 Addressed?	Yes
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Reason for Goal 2 Not Applicable	
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### Goal 3 - Water Management

#### Goal Objectives

Reduce potable and non-potable water consumption, and comply with stormwater management requirements

Metric:

- Potable water intensity, measured in gallons per GSF of Federal building space

Goal 3 Applicable?	Yes
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Goal 3 Addressed?	Yes
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Reason for Goal 3 Not Applicable	
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### Goal 4 - Performance Contracting

#### Goal Objectives

Utilize performance contracting to achieve energy, water, building modernization, and infrastructure goals

Metrics:

- Investment value of performance contracts awarded in dollars

- Number of contracts awarded

Goal 4 Applicable?	Yes
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Goal 4 Addressed?	Yes
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Reason for Goal 4 Not Applicable	
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### Goal 5 - Sustainable Buildings

#### Goal Objectives

Ensure that new construction and major renovations conform to applicable building energy efficiency requirements and sustainable design

Consider building efficiency when renewing or entering into leases

Implement space utilization and optimization practices, and

Annually assess and report on building conformance to sustainability metrics

Metrics:

- Percentage of owned buildings (eligible) meeting the sustainability criteria

- Percent GSF (eligible) meeting the sustainability criteria (for owned buildings > 10,000 GSF)

Goal 5 Applicable?	Yes
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Goal 5 Addressed?	Yes
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Reason for Goal 5 Not Applicable	
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### Goal 6 - Waste Management

#### Goal Objectives

Implement waste prevention and recycling measures and comply with all Federal requirements with regard to solid, hazardous, and toxic

Reduce non-hazardous solid waste and percentage reduction sent to treatment and disposal facilities

Metrics:

- Tons of non-hazardous solid waste generated
- Percentage of non-hazardous solid waste sent to treatment and disposal facilities

Goal 6 Applicable?	Yes
Goal 6 Addressed?	Yes
Reason for Goal 6 Not Applicable	

### Goal 7 - Energy Management, Building Evals, Benchmarking

#### Goal Objectives

Facility evaluations, metering, benchmarking, energy management personnel and training

Metrics:

- EISA-covered facilities evaluated for efficiency opportunities
- Utilized performance contracting in FY 2018 to achieve energy, water, building modernization, infrastructure goals

Goal 7 Applicable?	Yes
Goal 7 Addressed?	Yes
Reason for Goal 7 Not Applicable	

### Goal 8 - Fleet Management

#### Goal Objectives

Meet statutory requirements related to energy and environmental performance of vehicles in a manner that increases efficiency, optimizes

Metrics:

- Reduction in petroleum consumption
- Increase in alternative fuel consumption

Goal 8 Applicable?	Yes
Goal 8 Addressed?	Yes
Reason for Goal 8 Not Applicable	

### Goal 9 - Acquisition

#### Goal Objectives

Acquire, use, and dispose of products and services, including electronics, in accordance with statutory mandates for purchasing preference,

Metrics:

- Percentage of contract actions containing statutory environmental requirements
- Percentage of obligations (in dollars) containing statutory environmental requirements

Goal 9 Applicable?	Yes
Goal 9 Addressed?	Yes
Reason for Goal 9 Not Applicable	

### Goal 10 - Electronic Stewardship

#### Goal Objectives

Manage electronics to reduce energy and environmental impacts in accordance with E.O. 13834 goals for Energy Reduction (Section 2(a)),

Goal 10 Applicable?	Yes
Goal 10 Addressed?	Yes
Reason for Goal 10 Not Applicable	

### Goal 11 - Data Center Management

#### Goal Objectives

Goals for consolidation, virtualization, optimization, efficiency, and transitioning to cloud-based solutions

Goal 11 Applicable?	Yes
Goal 11 Addressed?	Yes
Reason for Goal 11 Not Applicable	

<u>Goal 12 - GHG Management and Reporting</u>	
Goal Objectives	
Track and report on greenhouse gas (GHG) emissions and reductions	
Metrics:	
- Scope 1 and 2 GHG emissions in metric tons CO2e	
Goal 12 Applicable?	Yes
Goal 12 Addressed?	Yes
Reason for Goal 12 Not Applicable	
<u>Goal 13 - Resilience</u>	
Goal Objectives	
Agencies should prioritize strategies that reduce waste, cut costs, enhance resilience, and enable more effective accomplishment of agency	
Goal 13 Applicable?	Yes
Goal 13 Addressed?	Yes
Reason for Goal 13 Not Applicable	
<u>Goal Area Scoring</u>	
Total No. Goals Addressed	13
Total No. Goals Applicable	13
Goal Areas Score	100.00%
Use the percentage calculated above to determine the score for EMS Performance Metric no. 5 in Section 1.	

### Section 3: EMS Scoring

The auto-calculated facility/organization-level OMB rating (score) based on responses to the 5 metrics questions is displayed here only upon	
Site Score	Green

### Section 4: EMS Experiences

EMS Best Practices	<ul style="list-style-type: none"> <li>•Office of Legacy Management (LM) streamlined the regulatory review process, which eliminated forms, reduced review periods, and reduced the sizes of files that need to be shared.</li> <li>•LM continues to promote EMS through quarterly newsletters and monthly EMS slides for mandatory safety training. Emergency management was added as a rotating topic to the quarterly newsletter.</li> <li>•LM has started a new employee orientation series in which Emergency Management, Environmental Compliance, and Safety and Health activities are discussed.</li> </ul>
EMS & Mission Effectiveness	<ul style="list-style-type: none"> <li>•As part of monitoring and measuring statistics to ensure mission-related goals are being met, LM conducts and tracks site inspections to identify potential issues early in the process. This allows LM to ensure the continued protection of human health and the environment through effective and efficient long-term surveillance and maintenance.</li> </ul>
EMS Implementation Challenges	<ul style="list-style-type: none"> <li>•LM's Legacy Management Support contractor changed April 1, 2021, to RSI EnTech, LLC (RSI). This resulted in data systems changes, which made data gathering more difficult. Some previous systems used for compiling data were removed and not replaced before the annual sustainability reporting period.</li> <li>•Implementation of Energy Conservation Measures projects is difficult because of LM's limited infrastructure.</li> <li>•The COVID-19 pandemic continues to change field and office activities. This makes environmental planning difficult; the work schedule variances makes it especially hard to plan and implement sustainability projects.</li> </ul>